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TWENTIETH ANNUAL REPORT  
OF THE  
Department of  
Mines and Minerals  
OF THE  
PROVINCE OF ALBERTA  
FOR THE  
Fiscal Year Ended March 31st  
1969

EDMONTON:  
PRINTED BY L. S. WALL, Queen's Printer  
1969



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To the Honourable J. W. Grant MacEwan,  
*Lieutenant Governor of the Province of Alberta*

Sir:

I have the honour to submit the Report of the Department of Mines and Minerals for the fiscal year ended March 31st, 1969.

I have the honour to be, Sir,

Your obedient servant,

A. RUSSELL PATRICK,

*Minister of Mines and Minerals*

Edmonton, July 22, 1969.





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**CHIEF OFFICERS**  
**DEPARTMENT OF MINES AND MINERALS**  
**MARCH 31st, 1969**

Hon. A. Russell Patrick ..... *Minister*  
H. H. Somerville ..... *Deputy Minister*  
P. G. Schmidt ..... *Solicitor*  
H. H. Bryce ..... *Statistician*  
W. E. Shillabeer ..... *Administrative Accountant and  
Personnel Officer*

**MINERALS DIVISION**

R. A. Seaton ..... *Director*  
D. R. Jordan ..... *Assistant Director*  
F. Holubowich ..... *Supervisor of Revenue*  
W. H. Roy ..... *Supervisor of Reservations,  
Permits and Licences*  
B. R. Nimchuk ..... *Supervisor of Leases and Mining  
Recorder, Edmonton District*  
D. C. MacMillan ..... *Mining Recorder, Calgary District*

**MINERAL TAX DIVISION**

I. M. Harrington ..... *Superintendent*  
N. B. Adam ..... *Assistant Superintendent*  
W. McGechie ..... *Chief Assessor*

**MINES DIVISION**

P. Melson ..... *Director*

**PIPE LINE DIVISION**

A. L. Berry ..... *Superintendent*  
G. W. B. Bullymore ..... *Assistant Superintendent*

**TECHNICAL DIVISION**

J. M. Novak ..... *Superintendent*  
E. G. Staniforth ..... *Assistant Superintendent*  
E. D. Barnard ..... *Supervisor of Records*



# TWENTIETH ANNUAL REPORT

of the

## Department of Mines and Minerals

HONOURABLE A. RUSSELL PATRICK,

Minister of Mines and Minerals,

Edmonton, Alberta.

Sir:

I have the honour to present the Annual Report of the Department of Mines and Minerals for the fiscal year ended March 31, 1969.

Continuing the performance of previous years, records were again established in almost all sectors of Alberta's oil and gas industry.

Crude oil production in 1968 totalled 251.5 million barrels, an increase of more than 20 million barrels over the previous year while natural gas marketed increased to 1.1 trillion cubic feet from 960 billion cubic feet in 1967. Pentanes plus production increased by 2.5 million barrels to a total of 31 million barrels, propane increased from 12.8 to 14.5 million barrels and butane production rose from 8.3 million barrels to 9.5 million barrels. Sulphur production showed a substantial increase totalling 3 million long tons, compared to 2.1 million long tons produced the previous year.

Increased activity in the industry was reflected in the amount of footage drilled which totalled 8.9 million feet compared to 7.8 million feet in 1967. Responsible for this increase was a rise in exploration activity in the Province.

The Rainbow and Zama areas in Northwestern Alberta remained as the regions of greatest activity for oil exploration while gas discoveries in the Foothills Region along the eastern boundary of the Rocky Mountains appear to be of major importance. Discoveries at Clark Lake, Gold Creek, Strachan and Ricinus have stimulated a great deal of exploratory activity. These discoveries are of the sour and wet category and consequently, both sulphur and natural gas liquids will be recovered when making the natural gas suitable for market.

Alberta's reserves of crude oil, natural gas, natural gas liquids and sulphur showed gains during 1968. At the end of 1968 reserves totalled 7.63 billion barrels of crude oil, 43.4 trillion cubic feet of natural gas, 1.9 billion barrels of natural gas liquids and 139.7 million long tons of sulphur.

Natural gas processing plant capacity has been continually increasing, both with the construction of new plants and the expansion of existing facilities. During 1968 eight new plants were completed and placed on stream. At the end of the year there were 104 natural gas processing plants in operation in the Province.

The new plant construction is required in order to process the increasing volumes of natural gas now being marketed. Of the total



of 1.1 trillion cubic feet of natural gas marketed in 1968 some 206 billion cubic feet was sold in Alberta, 476 billion cubic feet was marketed in the United States and the remainder was sold in other Provinces of Canada.

Twenty additional communities received natural gas service during the year. There are now more than 324 communities in Alberta served with natural gas including all of our cities, over ninety per cent of our towns and over half of our villages.

Peace River Oil Pipe Line Company completed a major project during 1968 with the construction of 295 miles of 20-inch crude oil pipe line from the Zama Lake area to its Valleyview pump station. The Company also increased its pipe line capacity into Edmonton with the looping of 93 miles of 20-inch line.

The Alberta Gas Trunk Line Company commenced construction on two major gas pipe line projects. One line, completed by the end of the fiscal year from the Marten Hills field to Edson, is 184 miles in length with pipe line diameters varying from 16 to 20 inches. The other line, from the Flat Lake and Craighend fields to the Provost area will be 230 miles of 12 and 14-inch diameter and will be completed in the next fiscal year.

Alberta Sulphate Limited commenced the construction of its plant to recover sodium sulphate from Horseshoe Lake in the Provost area. The plant is expected to cost 2.5 million dollars and will recover about 100,000 tons a year.

At the 1969 session of the Legislature The Oil and Gas Conservation Act was repealed and replaced by The Oil and Gas Conservation Act, 1969. The new Act consolidates, revises and updates the previous Act in the light of present day knowledge and procedures.

Minor amendments were made to The Pipe Line Act, 1958. Municipalities must now be consulted by pipe line companies where their pipe lines would parallel and be within 100 feet of existing roads. Previously, the pipe line company needed only to consult with the municipality when its pipe line would be within 25 feet of a road. Trust Companies may now hold pipe line permits and operating licences.

During the fiscal year 2,262 Reclamation Certificates and 100 Orders to perform work were issued under The Surface Reclamation Act. Since that Act came into force on June 1, 1963, a total of 9,525 Certificates and 1,054 Orders have been issued.

A separate report is issued yearly regarding the operation of coal mines and quarries and may be obtained from the office of the Mines Division in the Agriculture Building, 9718 - 107 Street, Edmonton 6, Alberta .

Detailed reports of the other Divisions follow.

H. H. Somerville,  
*Deputy Minister*

July 17, 1969.

## MINERALS DIVISION

*Report of the Director of Minerals*

**ROBERT A. SEATON**

In the twentieth year of administration by the Department of Mines and Minerals, oil and gas exploration and development made substantial gains over the previous year.

Footage drilled for petroleum and natural gas during 1968 was 8,871,084 feet. This was an increase of 1,055,095 feet over the previous year. The production of crude oil increased to 251,461,840 barrels being an increase of 20,371,932 barrels from 1967. The number of producing wells increased from 13,473 to 13,733 and were capable of maintaining an average daily rate of production of 1,550,000 barrels at December 31, 1968 under good production practice in accordance with sound engineering and economic principles. Because of inadequate markets the average daily oil produced during the year was only 688,937 barrels, an increase of 8.8 per cent from the previous year. There were 2,061 licences issued to drill for oil or gas during 1968 compared with 1,718 licences during the previous year.

Production of coal in Alberta in 1968 increased by 323,555 tons.

The production and value of Alberta's chief minerals for 1968 were crude oil, 251,461,840 barrels valued at \$660,495,368; pentanes plus, 31,050,939 barrels valued at \$84,037,852; coal, 3,925,114 tons valued at \$12,597,181; natural gas marketed, 1,088,015,102 Mcf., valued at \$108,801,510; salt, 75,574 tons valued at \$2,312,992 and sulphur, 2,989,588 tons valued at \$103,273,546.

Mineral rights, solid, liquid and gaseous, the property of the Crown in right of Alberta, are not sold, but are disposed of by lease, reservation, licence, permit or other agreement for limited periods of time. Revenue is obtained from fees, rentals, bonuses, royalties, sales of leases and other miscellaneous charges. During the fiscal year these sources provided a revenue of \$284,956,309.78, being an increase of \$65,578,428.56 from the previous year. Sales of leases and reservations in Crown Reserves were held on four occasions in the fiscal year and the revenue from this source increased by 23 million dollars.

The Province is divided into two mining districts; the Edmonton district comprises that portion of the Province lying to the north of the north boundary of Township 42 and the balance of the Province lying to the south is contained in the Calgary district.

During the year 4,884 applications for mineral rights were filed at the office of the Mining Recorders in Edmonton and Calgary and at the office of the Department in Edmonton. Many inquiries were made as to the availability of mineral rights, mostly for petroleum and natural gas leases and reservations by personal application and by correspondence.

A tabulation of leases together with statements of business transacted follows.



## MINERAL DIVISION LEASES

Type of Lease	Active at April 1, 1968	Issued	Reinstated	Divided	Cancelled	Renewed	Active at March 31, 1969
Petroleum and Natural Gas .....	29,494	3,931	114	203	2,615	—	31,127
Natural Gas .....	1,183	29	—	9	13	—	1,208
Petroleum .....	12	1	—	—	—	—	13
Coal .....	494	60	—	—	4	15	535
Road Allowance Coal .....	94	1	—	—	1	—	94
Quarrying .....	92	4	—	—	6	1	89
Salt .....	2	1	—	—	—	1	2
Bituminous Sands .....	83	—	—	—	—	—	83
Oil Sands .....	36	5	—	—	2	—	39
Iron .....	7	—	—	—	2	—	5
Sodium Sulphate .....	2	—	—	—	—	—	2
Miscellaneous .....	7	2	—	—	—	1	8
<b>TOTAL</b> .....	<b>31,506</b>	<b>4,034</b>	<b>114</b>	<b>212</b>	<b>2,643</b>	<b>18</b>	<b>33,205</b>

## ACREAGE CONTAINED IN ABOVE LEASES

Type of Lease	Active at April 1, 1968	Issued	Reinstated	Cancelled	Renewed	Active at March 31, 1969
Petroleum and Natural Gas .....	32,154,436	6,582,459	155,295	3,917,065	—	34,975,125
Natural Gas .....	4,345,547	89,053	—	18,568	—	4,416,032
Petroleum .....	43,354	640	—	—	—	43,994
Coal .....	261,955	92,347	—	164	6,230	347,908
Quarrying .....	19,632	1,172	—	1,025	767	19,012
Salt .....	1,204	640	—	—	640	1,204
Bituminous Sands .....	2,658,663	—	—	—	—	2,658,663
Oil Sands .....	919,782	224,107	—	22,057	—	1,121,832
Iron .....	40,499	—	—	442	—	40,057
Sodium Sulphate .....	2,136	—	—	—	—	2,136
Miscellaneous .....	733	322	—	—	162	893
<b>TOTAL</b> .....	<b>40,447,941</b>	<b>6,990,740</b>	<b>155,295</b>	<b>3,959,321</b>	<b>7,799</b>	<b>43,626,856</b>

## STATEMENT OF BUSINESS TRANSACTED, 1968-1969

## PETROLEUM AND NATURAL GAS

	Number	Acres
Leases issued .....	3,931	6,582,459
Leases cancelled and relinquished .....	2,615	3,917,065
Leases reinstated .....	114	155,295
Reservations issued .....	170	5,206,495
Reservations terminated .....	298	12,942,010
Crown reserve drilling reservations issued .....	94	867,909
Crown reserve drilling reservations terminated .....	65	523,878
Permits issued .....	97	1,337,204
Permits terminated .....	77	1,217,961
Natural gas licences issued .....	10	112,800
Natural gas licences terminated .....	8	82,560
Crown reserve natural gas licences issued .....	15	165,246
Crown reserve natural gas licences terminated .....	8	104,800
Natural gas leases issued .....	29	89,052
Natural gas leases cancelled and relinquished .....	13	18,568
Petroleum lease issued .....	1	640
Fees, rentals, penalties and bonuses collected .....		\$ 55,529,455.95
Royalties collected .....		105,122,892.49
Crown reserve sales .....		121,031,177.72
<b>TOTAL</b> .....		<b>\$281,683,526.16</b>

## COAL

	Number	Acres
Leases issued .....	60	92,347
Leases cancelled and relinquished .....	4	164
Road Allowance Leases—		
Leases issued .....	1	
Leases cancelled and relinquished .....	1	
Fees and rentals collected .....	\$444,322.05	
Royalties collected .....	198,318.02	
TOTAL .....	<u>\$642,640.07</u>	

## QUARRYING

	Number	Acres
Leases issued .....	4	1,171
Leases cancelled and relinquished .....	6	1,025
Fees and rentals collected .....	\$ 20.00	
Royalties collected .....	80,724.58	
TOTAL .....	<u>\$ 80,744.58</u>	

## MISCELLANEOUS

	Number
Oil sands prospecting permits terminated .....	4
Oil sands leases issued .....	5
Oil sands leases cancelled .....	2
Quartz mineral exploration permits issued .....	79
Quartz mineral exploration permits terminated .....	28
Sulphur prospecting permits issued .....	18
Sulphur prospecting permits terminated .....	157
Quartz—	
Certificates of Record issued .....	181
Certificates of Record continued .....	225
Transfers recorded .....	19
Roadway sales .....	7
Geophysical licences issued .....	149
Permits to operate geophysical equipment issued .....	12
Permits to operate geophysical equipment renewed .....	78
Fees, rentals, royalties and miscellaneous charges .....	\$2,549,398.97

## PETROLEUM AND NATURAL GAS

**Leases**—During the year 3,931 petroleum and natural gas leases were granted covering 6,582,459 acres and at the close of the fiscal year a total of 31,127 leases were in existence comprising an area of 34,975,125 acres. The Mines and Minerals Act, 1962, which came into force on June 1, 1962 provided that each petroleum and natural gas lease granted following an application made under the Act would be for a term of ten years and at the end of the fiscal year there were 13,866 of these leases comprising of 15,870,181 acres. Leases formerly granted were for a term of 21 years and any lease that follows a petroleum and natural gas reservation or Crown reserve drilling reservation that was granted before June 1, 1962 also has a term of 21 years. In the same way if a 21 year lease is transferred only as to a portion or is divided, the new lease for the transferred portion or divided portion also carried the 21 year term.

The revenue received from fees amounted to \$42,560.00. The revenue from lease rentals was \$30,086,633.48 and the revenue from bonuses accepted by the Mining Recorder at sales of petroleum and natural gas leases by tender amounted to \$2,789,898.33. The revenue

from compensatory royalty on petroleum and natural gas leases amounted to \$36,545.11 and from drilling extension penalties, \$1,122,443.04.

**Disposal of Crown Reserves**—Petroleum and natural gas rights comprised in Crown reserves may be disposed of by order of the Lieutenant Governor in Council and during the year four Crown reserve sales were held and 686 leases and seven reservations were purchased. Eight Crown reserve drilling reservation sales were held and 94 drilling reservations were purchased. Four Crown reserve natural gas licence sales were held and fifteen Crown reserve natural gas licences were purchased. Particulars of Crown reserve purchases during the year may be obtained from the Department.

**Reservations**—During the fiscal year 170 reservations were issued covering an area of 5,206,495 acres and at the close of the year 750 reservations were active containing an area of 29,311,829 acres.

The revenue from reservation fees amounted to \$42,500.00; for extending reservations amounted to \$7,149,270.03 and the revenue from bonuses accepted by the Director of Minerals at sales of petroleum and natural gas reservations by tender amounted to \$5,249,508.37.

Credit of not in excess of fifty per cent of the approved expenditures incurred in geophysical examination included drilling on petroleum and natural gas reservations may apply to the rental for one year of any lease or leases acquired out of reservations and during the fiscal year under review rentals of \$4,471,766.94 were satisfied from such expenditures.

**Crown Reserve Drilling Reservations**—During the fiscal year 94 drilling reservations were issued covering an area of 867,909 acres and at the close of the year 110 were active containing an area of 994,742 acres.

The revenue from drilling reservation fees amounted to \$23,500.00, from rentals \$451,149.88 and the revenue from accepted offers at sales of Crown reserve drilling reservations amounted to \$44,139,840.45.

Credit may be granted for expenditures incurred in drilling a well on a drilling reservation and applied in satisfaction of the first year's rental. During the fiscal year rentals on leases acquired out of the reservations of \$79,840.00 were satisfied by credit.

**Petroleum and Natural Gas Permits**—During the fiscal year 97 permits covering an area of 1,337,204 acres were issued and at the close of the year 161 permits were active containing an area of 2,499,764 acres. The revenue from fees was \$970.00 and from rentals was \$2,297,080.20 and the revenue from accepted offers at sales of permits was \$5,067,383.77. Credit of not in excess of fifty per cent may be granted for expenditures incurred in drilling a well on a permit and applied in satisfaction of the first year's rental. During the fiscal year rentals on leases acquired out of the permits of \$904,621.11 were satisfied by credit.

**Natural Gas Licences**—During the fiscal year ten natural gas licences covering an area of 112,800 acres were issued. The revenue from fees was \$4,250.00 and from rentals was \$17,143.60. Credit

may be granted for expenditures incurred in drilling a well on a natural gas licence and applied in satisfaction of the first year's rental. During the fiscal year rentals on leases acquired out of the licences of \$7,573.33 were satisfied by credit.

**Crown Reserve Natural Gas Licences**—During the fiscal year fifteen Crown reserve natural gas licences covering an area of 165,246 acres were issued. At the close of the year seventeen licences were active, containing an area of 190,274 acres. The revenue from fees was \$3,750.00, from rentals \$17,733.60 and the revenue from accepted offers at sales of Crown reserve natural gas licences amounted to \$1,393,479.50.

**Natural Gas Leases**—During the fiscal year 29 natural gas leases were issued covering 89,052 acres and at the close of the fiscal year a total of 1,208 leases were in existence comprising an area of 4,416,032 acres. Fifteen of the leases were granted out of natural gas licences or Crown reserve natural gas licences and permit the recovery of natural gas from one or more zones specified in the lease. Three leases were issued comprising the balance of the spacing units to permit natural gas wells that were capable of commercial production to be operated at full production allowables, eight were issued as the locations were required for unit operations, one was issued as it was considered essential in the operation of a gas utility and two were issued for the recovery of gas for domestic purposes.

The annual rental of a natural gas lease is thirty-three and one-third cents an acre. While an adequate market or a market in which the lessee may participate is not available, the annual rental is reduced to ten cents an acre. The revenue from fees was \$310.00 and from lease rentals \$1,089,274.04.

## COAL

In the fiscal year, sixty leases were issued containing 92,347 acres, being made up of new and renewal and second renewal leases. There are now 535 active leases comprising 347,908 acres. There was one road allowance coal mining lease issued and there are now 94 active. The revenue received from fees was \$310.00 and from lease rentals \$304,408.66.

Crown royalties collected during the fiscal year were \$198,318.02 and the following tonnage of coal subject to royalty was mined.

	Tons
Coal Leases .....	1,404,963
Coal Lands and Mineral Sales .....	529,614
TOTAL .....	<u>1,934,577</u>

## QUARRYING

During the fiscal year four quarrying leases comprising a total of 1,172 acres were issued.

Extraction of 792,266 tons of limestone and shale, 10,860 cubic yards of clay, 74 tons of gypsum, 15,354 tons of sandstone, 450 tons



of building stone, 78 tons of dolomitic siltstone and 142,550 tons of rock from Crown leases was reported and at the close of the fiscal year 89 quarrying leases containing an area of 19,012 acres were active.

### **BITUMINOUS SANDS**

There was one permit and 83 leases active at the close of the year.

### **OIL SANDS**

There was one permit and 39 leases active at the close of the year.

### **QUARTZ**

During the fiscal year 181 certificates of record were issued of which 90 were replacing certificates for staked claims. Two hundred and twenty-five certificates of record were continued for a further year.

There were 79 quartz mineral exploration permits issued during the year.

### **SODIUM CHLORIDE (common salt)**

During the fiscal year the plant near Lindbergh operated and reported extraction of 75,574 tons, an increase of 968 tons from the previous year.

### **SULPHUR**

During the year eighteen sulphur prospecting permits comprising 1,458,006 acres were issued while 157 permits comprising 6,162,392 acres were terminated.

The total production of sulphur in Alberta in 1968 was 2,989,588 tons, an increase of 873,466 tons over that reported the previous year. All of this production was recovered in the processing of natural gas.

### **SODIUM SULPHATE**

Two sodium sulphate leases comprising 2,136 acres were active at the close of the year.

### **IRON**

Five iron leases containing an area of 40,057 acres were active at the close of the year.



### ROADWAY SALES

During the fiscal year seven notifications were issued pursuant to section 24 of The Mines and Minerals Act, 1962. Section 24 provides a means whereby minerals in roadways may be returned to the adjacent owner.

### WELL LICENCES

During the fiscal year there were 1,934 licences issued for wells to be drilled for the purpose of obtaining oil or gas, 52 licences were issued for the purpose of drilling test holes, 21 licences were issued for wells to be drilled for the purpose of injecting gas, air, water or other substance to an underground formation, 89 licences were issued for wells to be drilled for the purpose of obtaining water for injection and for domestic water wells at depths in excess of 500 feet, 47 were drilled for geological information, two for the purpose of obtaining salt and one each for the purpose of casing salvage and instruction. Since January 1, 1968 well licences have been issued by the Oil and Gas Conservation Board.

### DRILLING STATISTICS

The drilling and production of petroleum and natural gas wells in the Province were administered by the Oil and Gas Conservation Board, 603 - 6th Avenue South West, Calgary 1, Alberta, and particulars as to the drilling activity, production and statistical data are included in weekly, monthly and annual reports issued by the Board.

### GEOPHYSICAL AND GEOLOGICAL EXPLORATION

During the fiscal year 149 licences and 12 permits were issued and 78 permits were renewed.

### UNIT OPERATION OF MINERALS

During the fiscal year 34 agreements pursuant to Part VIII of The Mines and Minerals Act, 1962, were entered into for unit operation of petroleum and natural gas properties. These agreements were:

- North Provost Gas Unit
- Alderson Second White Specks Gas Unit No. 1
- Mitsue Gilwood Sand Unit No. 1
- Aerial Ostracod Gas Unit No. 1
- House Mountain Unit No. 4
- Freeman Unit No. 1
- Garrington Viking Gas Unit No. 1
- Vulcan Gas Unit
- Equity Gas Unit No. 1
- Alderson Second White Specks Gas Unit No. 2
- Bigstone Gas Unit No. 1
- Goose River Unit No. 1

Pembina Belly River "L" Unit  
Pembina Belly River "B" North Unit  
Caroline Viking Gas Unit No. 1  
Garrington Elkton Gas Unit No. 1  
Aerial Mannville "A" Unit  
Lake McGregor Gas Unit  
Blue Rapids Cardium Unit No. 1  
Champlin-Peruvian, Pembina Cardium Unit  
Drumheller Basal Quartz Gas Unit No. 1  
Taber South Mannville "A" Unit No. 2  
Jenner Upper Mannville "E" Unit No. 1  
Aerial Ostracod Unit No. 2  
Cessford Gas Unit No. 3  
Ferrier Cardium Unit No. 2  
Willesden Green Glauconitic A Unit No. 1  
Kaybob South Beaverhill Lake Gas Unit No. 3  
Kaybob South Beaverhill Lake Gas Unit No. 2  
Nipisi Gilwood Unit No. 1  
Pine Creek Gas Unit No. 1  
Cynthia Cardium Unit No. 3  
Gilby Basal Mannville "B" Unit No. 1  
Olds Unit No. 2

Where a person is required by or has the approval of the Oil and Gas Conservation Board to proceed with a scheme to inject any substance into an underground formation, he is permitted by section 186 of The Mines and Minerals Act, 1962, to proceed with the scheme without obtaining an agreement.

There were 62 schemes in which Crown mineral rights were involved. Thirty-three schemes authorized the injection of water for oil recovery enhancement. Two schemes authorized the injection of natural gas liquids and dry gas for oil recovery enhancement. One scheme authorized the injection of gas for conservation purposes. Six schemes authorized pilot tests for injection of water for oil recovery enhancement. Three schemes authorized pilot tests for injection of gas for oil recovery enhancement. Seventeen schemes authorized the return of salt water produced with petroleum and natural gas to subsurface formations.

### STAFF

At the close of the fiscal year the Division staff numbered 69.

During the year Mr. J. W. Patrick, Director of Minerals, and Mr. D. F. Morrison, Supervisor of Leases and Mining Recorder for the Edmonton District, retired after serving the Department and Province with distinction for many years.

# MINERAL TAX DIVISION

## *Report of the Superintendent*

**I. M. HARRINGTON**

Producing area tax revenue for the fiscal year ending March 31, 1969, amounted to \$1,459,176.16 being an increase of \$132,508.67 from the previous year's revenue of \$1,326,667.49. The rate of tax on the 1968 assessment was eight mills.

Mineral tax based on acreage for the fiscal year was received in the amount of \$892,070.09 which was an increase of \$339,140.34 from the \$552,929.75 received in the preceding year. The rate of tax was five cents an acre.

Eleven areas were added to the designated producing areas for the year 1968 and were assessed as unitized areas, with assessment being made in accordance with the tract factors listed in the Unit Agreements filed with the Department. These areas were Beaverhill Lake, Bittern Lake, Buffalo Lake, Condor, Dorothy, Ghost Pine, Hamilton Lake, Lone Pine Creek, Patricia, Sunnynook and Three Hills.

The following is a list of all designated producing areas showing the number of parcels assessed, minerals assessed and the assessed values.

Producing Area	Parcels Assessed	Principal Mineral	Assessed Value
Acheson	28	Petroleum and Natural Gas	\$ 5,109,110.44
Alexander	13	Natural Gas	132,756.31
Beaverhill Lake	107	Natural Gas	113,359.68
Bentley	27	Petroleum	650,144.84
Bindloss	4	Natural Gas	41,307.69
Bittern Lake	12	Natural Gas	52,915.36
Blackfoot	3	Petroleum	63,027.72
Bon Accord	36	Natural Gas	247,807.60
Bonnie Glen	23	Petroleum and Natural Gas	13,867,963.47
Buck Creek	3	Petroleum and Natural Gas	139,886.50
Buffalo Lake	3	Petroleum	228,220.71
Calgary	265	Petroleum and Natural Gas	5,301,247.15
Campbell	14	Petroleum and Natural Gas	175,008.56
Carstairs-Elkton	144	Petroleum and Natural Gas	5,589,687.47
Cessford	19	Petroleum and Natural Gas	466,003.42
Chauvin	4	Petroleum	302,171.23
Clive North	15	Petroleum and Natural Gas	170,743.48
Condor	2	Petroleum and Natural Gas	23,226.45
Crossfield	43	Natural Gas	707,131.70
Dorothy	1	Natural Gas	906.28
Duhamel	3	Petroleum	165,623.54
Dunmore	9	Natural Gas	9,327.76
Erskine	21	Petroleum and Natural Gas	1,441,802.70
Fort Saskatchewan	116	Natural Gas	973,190.16

Garrington	43	Petroleum	1,468,247.40
Ghost Pine	29	Natural Gas	21,828.34
Gilby	9	Petroleum	897,943.92
Hackett	10	Natural Gas	78,152.04
Hamilton Lake	6	Petroleum	13,916.48
Harmattan-Elkton	74	Petroleum and Natural Gas	7,923,758.26
Homeglen-Rimbey	51	Petroleum and Natural Gas	3,037,671.83
Hughenden	1	Petroleum	24,175.41
Hussar	449	Petroleum and Natural Gas	6,319,858.20
Innisfail	19	Petroleum and Natural Gas	4,822,900.59
Joarcam	61	Petroleum	4,833,197.72
Joffre	41	Petroleum	1,607,844.67
Jumping Pound	84	Natural Gas	1,101,081.89
Kessler	30	Natural Gas	53,482.56
Leafland South	4	Petroleum and Natural Gas	293,742.25
Leduc	176	Petroleum and Natural Gas	12,857,097.42
Lone Pine Creek	20	Natural Gas	259,743.17
Lookout Butte	6	Natural Gas	94,886.59
Medicine Hat-Roseglen	20	Natural Gas	70,847.92
Namao	10	Petroleum and Natural Gas	219,049.78
Nevis	111	Natural Gas	1,333,391.47
Okotoks	96	Natural Gas	1,050,495.61
Olds	87	Natural Gas	833,414.98
Oyen	2	Natural Gas	11,323.23
Paddle River	1	Natural Gas	5,485.81
Patricia	15	Natural Gas	69,232.98
Pembina	14	Petroleum and Natural Gas	1,158,434.18
Pincher Creek	22	Natural Gas	1,079,772.85
Provost	164	Petroleum and Natural Gas	467,663.02
Redland	87	Petroleum and Natural Gas	852,148.05
Redwater	18	Petroleum and Natural Gas	8,747,117.33
Sarcee	1	Natural Gas	309,274.67
South Sibbald	1	Natural Gas	3,400.93
Stettler	12	Petroleum	1,750,892.63
Sundre	2	Petroleum	55,783.18
Sunnynook	1	Natural Gas	939.21
Sylvan Lake	140	Petroleum and Natural Gas	4,250,834.87
Three Hills	1	Petroleum	3,395.98
Three Hills Creek	61	Natural Gas	201,510.50
Turner Valley	59	Petroleum and Natural Gas	2,675,920.53
Twining	5	Petroleum	39,542.88
Viking-Kinsella	414	Natural Gas	279,155.40
Wainwright	34	Petroleum	2,277,799.57
Wayne-Rosedale	11	Natural Gas	151,243.81
Westerose	5	Petroleum and Natural Gas	5,813,713.58
Westerose South	21	Natural Gas	3,910,017.88
Westward Ho	6	Petroleum	1,228,139.02
Wildcat Hills	11	Natural Gas	794,650.12
Willesden Green	7	Petroleum and Natural Gas	447,623.40
Wimborne	46	Petroleum and Natural Gas	1,228,025.37
Wizard Lake	8	Petroleum and Natural Gas	10,463,805.50
Wood River	21	Natural Gas	102,424.46



In addition to the designated producing areas, there were 1,015 parcels assessed for a total assessed value of \$47,330,056.35 with the principal minerals assessed being petroleum, natural gas, coal and salt.

Under the heading of parcel assessed are the number of items appearing on the assessment roll with each parcel relating to the area contained in a certificate of title. In determining the assessed value of a parcel, each production spacing unit or unit tract is calculated separately; consequently, several calculations may be made in arriving at the assessment for a parcel.

The revenue derived from the taxation of minerals from the enactment of the statute in 1941 until March 31, 1949, collected by the Department of Lands and Mines was \$1,921,180.47 and revenue collected by the Department of Mines and Minerals from April 1, 1949, is shown in the following tabulation:

Year	Producing	Acreage Tax	Fees	Total
1949-50	\$ 452,838.16	\$297,883.10	\$ 286.50	\$ 751,007.76
1950-51	526,029.61	307,062.62	511.00	833,603.23
1951-52	444,293.91	323,185.71	2,320.10	769,799.72
1952-53	572,671.45	310,285.08	3,204.00	886,160.53
1953-54	717,352.55	283,853.18	1,055.50	1,002,261.23
1954-55	1,031,913.72	277,842.74	1,467.00	1,311,223.46
1955-56	1,031,802.40	264,496.50	914.50	1,297,213.40
1956-57	1,070,380.73	272,883.90	1,101.50	1,344,366.13
1957-58	1,232,795.31	282,057.60	1,056.50	1,515,909.41
1958-59	1,115,478.85	306,179.40	472.00	1,422,130.25
1959-60	909,799.94	337,452.83	545.50	1,247,798.27
1960-61	957,673.20	303,051.45	339.00	1,261,063.65
1961-62	991,779.50	277,992.80	545.50	1,270,317.80
1962-63	1,210,475.19	530,170.30	446.50	1,741,091.99
1963-64	1,367,777.54	550,217.99	203.00	1,918,198.53
1964-65	1,360,838.69	579,559.49	368.50	1,940,766.68
1965-66	1,379,884.58	541,940.58	171.00	1,921,996.16
1966-67	1,292,078.41	572,858.15	207.00	1,865,143.56
1967-68	1,326,667.49	552,929.75	237.50	1,879,834.74
1968-69	1,459,176.16	892,070.09	129.00	2,351,375.25

There were 258 mineral tax certificates issued during the fiscal year with revenue derived there from being \$129.00. A tax certificate shows the amount of current taxes and areas payable with respect to the mineral or minerals contained in a certificate of title and anyone may obtain a certificate for a fee of fifty cents.

Pursuant to The Mineral Titles Redemption Act, after the mineral titles were acquired by the Crown, there were instances where the minerals had been granted under lease, licence, reservation, permit or other agreement, for exploration and development. The statute provides that where the minerals have been granted by the Crown, the return of the title to the former owner must be delayed until the minerals are no longer under lease, licence, reservation, permit or other agreement. In these instances, the former owner is entitled to receive the moneys collected by the Crown less a deduction of an amount equal to the tax that would have been charged had title been returned.

During the fiscal year the amount of moneys collected on existing agreements and returned to former owners was \$37,207.74. This brings the total to \$512,376.10 that has been returned to former owners since the Act came into force.

There were 2 titles returned to former owners as a result of agreements terminated during the year, making a total of 1,181 titles returned since the inception of the Act. As at March 31, 1969, there were 29 titles, the redemption of which will be delayed until the leases or other agreements terminate.



## PIPE LINE DIVISION

### *Report of the Superintendent of Pipe Lines*

#### **A. L. BERRY**

During the fiscal year ending March 31, 1969, 2,969 miles of pipe line were licensed. Some 695 miles were for main oil lines and secondary lines for oil, 1,995 miles were for gas lines and secondary lines for gas and rural gas distribution lines. The remainder was for secondary lines for water disposal and recovery enhancement operations within oil and gas fields.

It is significant to note the rapid acceleration of rural gas distribution. Three years ago the number of miles of distribution lines licensed was 131 whereas two years ago the mileage increased to 308, and last year again increased to 883. There is every indication that this increase will continue next year.

Alberta Gas Trunk Line Company Limited completed 35 miles of 36-inch diameter looping on their main gas transmission line near Empress during the summer. On November 18 construction was commenced on a 184-mile 16, 18 and 20-inch diameter lateral from Marten Hills southwest to the company's existing Plains Division facilities at Edson. This line was entirely completed as a winter construction project and was under test by March 31. Another major Trunk Line project on which construction was commenced on January 13 was the 230-mile long Flat Lake and Craighend lateral southeast from the Boyle area to the company's existing system near Provost. The northern 66 miles of 12-inch diameter was completed and under test by March 31. The remaining 164 miles of 12 and 14-inch diameter will be completed during the summer of 1969.

A major oil transmission line project was the looping by Peace River Oil Pipe Line Co. Ltd. of 93 miles of their existing facilities between Fox Creek and Edmonton with 20-inch diameter pipe. Construction commenced on September 9 and was completed, the line tested and in operation by November 21. The remainder of the loop consisting of 78 miles of 20-inch will be completed during the summer of 1969.

During the year our Division participated in a newly formed Canadian Standards Association committee to develop standards for Steel Line Pipe. This Standard will mark another significant step in the development of the Canadian pipe line industry.

The Pipe Line Division Staff remains unchanged at a total of 19 employees.

The following table shows the mileage and licence statistics related to the various classifications of pipe lines for the year ending March 31, 1969.

## SUMMARY OF PIPE LINE LICENCES

	Licensed at March 31, 1968		Licensed during the year		Cancelled during the year		Licensed at March 31, 1969	
	Number of Licences	Mileage of Pipe Line	Number of Licences	Mileage of Pipe Line	Number Cancelled	Mileage Cancelled	Number of Licences	Mileage of Pipe Line
Oil Lines .....	140	3,951.28	10	376.55	1	15.26	149	4,312.57
Gas Lines .....	578	5,725.82	43	346.54	1	1.42	620	6,070.94
Secondary Lines for Oil ..	1,892	2,992.17	80	318.68	37	19.53	1,935	3,291.14
Secondary Lines for Gas ..	1,219	4,723.94	140	764.88	2	46.68	1,357	5,442.14
Secondary Lines for Water and Other Substances ..	756	2,077.86	100	278.76	—	2.54	856	2,354.08
Distribution Lines .....	1,147	1,166.29	157	883.81	1	1.16	1,303	2,048.94
Private Lines .....	324	43.53	—	—	1	.14	2	1.87
Mineral Lines .....	2	1.87	—	—	—	—	2	1.87
	<u>6,058</u>	<u>20,682.76</u>	<u>530</u>	<u>2,969.22</u>	<u>43</u>	<u>86.73</u>	<u>6,545</u>	<u>23,565.25</u>

## TECHNICAL DIVISION

*Report of the Superintendent of the Technical Division*

**J. M. NOVAK**

The following report summarizes the operations of the Technical Division for the fiscal year ending March 31, 1969.

### DRAUGHTING, LAND DESCRIPTIONS AND GENERAL

The series of maps covering approximately forty-eight townships for each area and on a scale of three-quarters of an inch to the mile were drawn covering the following areas:

GRANDE CACHE—Townships 53 to 60, Ranges 3 to 8, West of the 6th Meridian.

LIEGE RIVER—Townships 93 to 100, Ranges 19 to 25, West of the 4th Meridian.

REDWATER—Townships 53 to 60, Ranges 20 to 25, West of the 4th Meridian.

SADDLE LAKE—Townships 53 to 60, Ranges 8 to 13, West of the 4th Meridian.

WILLINGDON—Townships 53 to 60, Ranges 14 to 19, West of the 4th Meridian.

The map of Bonnie Glen area was enlarged and now extends from Townships 45 to 52, Ranges 22 to 28, West of the 4th Meridian.

The map of Beaverhill Lake area was redrawn and now extends from Townships 45 to 52, Ranges 15 to 21, West of the 4th Meridian.

The following area maps were redrawn:

Harmattan Elkton, Hussar, Joffre, Kaybob, Pembina, Swan Hills, Swan Hills North and Wimborne. The field map of Redwater was also redrawn.

All new maps drawn and previously drawn are subject to showing the locations of wells as well licences are granted. When the status of a well changes, it is adjusted on the maps. The limits of fields as established by the Oil and Gas Conservation Board are also included on the maps.

Three maps of the Quartz Mineral Dispositions series on a scale of one inch to three miles and showing claims, permits and lands subject to posting were drawn covering the following areas:

ATHABASCA RIVER—Townships 92 to 109, Ranges 1 to 11, West of the 4th Meridian.

LAKE ATHABASCA—Townships 110 to 126, Ranges 1 to 11, West of the 4th Meridian.

CALGARY SOUTHWEST—Townships 1 to 23, Ranges 28 to 30, West of the 4th Meridian and Ranges 1 to 10, West of the 5th Meridian.

The maps are subject to revision as changes and additions occur.

No new maps of the pipe line series were prepared. However, considerable additional information was included on existing maps due to the extension of transmission, gathering and distribution systems.

A total of 5,009 maps was distributed by the Department. A list of maps is available indicating the price of each map.

During the year, 2,046 licences to drill wells were issued, which is an increase of 254 over the 1,792 licences dealt with in the previous year. The Division searches the ownership of Crown minerals in the spacing unit allocated to the well.

Land descriptions were prepared for all mineral dispositions, as well as descriptions for recommendations to Council.

The photostat print requirements of the Department, as in past years, continued to be supplied by the Technical Division, Department of Lands and Forests. This Division supplies the ozalid print requirements of the Department.

The Records Branch maintains the records in the Department respecting leases, permits, reservations, licences and other agreements and certificates of record. It also provides township plots to the public indicating availability or status of Crown minerals.

During the year 1,580 transfers were registered relating to 3,574 agreements and certificates of record. A comparison with the previous year follows:

	1967-68	1968-69
Petroleum and Natural Gas Leases .....	2,986	3,055
Petroleum and Natural Gas Reservations .....	206	170
Petroleum and Natural Gas Permits .....	25	22
Bituminous Sands Leases .....	3	0
Crown Reserve Drilling Reservations .....	33	20
Crown Reserve Natural Gas Licences .....	3	2
Natural Gas Licences .....	0	2
Natural Gas Leases .....	89	43
Coal Leases .....	2	34
Quarrying Leases .....	4	5
Geophysical Licences .....	0	1
Pipe Line Permits .....	2	9
Pipe Line Licences .....	17	142
Provisional Pipe Line Licences .....	0	2
Sulphur Prospecting Permits .....	33	28
Quartz Mineral Exploration Permits .....	2	20
Certificates of Record .....	0	19
<b>TOTALS</b> .....	<b>3,405</b>	<b>3,574</b>

The documents filed in comparison with the previous year were:

Type of Document	1967-68	1968-69
Mechanic's Lien .....	36	9
Discharge of Mechanic's Lien .....	38	25
Bank Securities .....	302	227
Discharge of Bank Securities .....	212	57
Hypothecation of Pipe Line .....	4	3
<b>TOTALS</b> .....	<b>592</b>	<b>321</b>

Fifteen transfers were issued during the fiscal year for the return of minerals underlying surveyed roadways to owners of adjacent minerals.



## ACCOUNTING DIVISION

*Report of the Administrative Accountant and  
Personnel Officer*

**W. E. SHILLABEER**

A surplus of \$285,436,991.20 on Income Account was shown for the Fiscal Year ending March 31st, 1969.

Net Revenue on Income Account amounted to \$287,409,398.99.

Gross Receipts from all sources amounted to \$295,910,699.53.

Expenditure on Income Account for the year amounted to \$1,972,407.79. Particulars of expenditures may be found in Statement "C".

As at March 31st, 1969, there were 42,621 Accounts Receivable as compared with 40,420 as at March 31st, 1968. The number of active accounts as at March 31st, 1969, is made up as follows:

	Number of Accounts
Petroleum and Natural Gas Leases—Rental .....	31,170
Petroleum and Natural Gas Leases—Royalty .....	2,615
Petroleum and Natural Gas Reservations .....	776
Petroleum and Natural Gas Drilling Reservations .....	123
Petroleum and Natural Gas Permits .....	164
Natural Gas Licences .....	14
Crown Reserve Natural Gas Licences .....	19
Natural Gas Leases .....	1,212
Coal Leases—Rental .....	628
Coal Leases—Royalty .....	74
Quarrying Royalty .....	89
Bituminous Sands—Rental .....	84
Oil Sands—Rental .....	40
Registration of Assignment Tax .....	3
Compensatory Royalty .....	52
Mining Leases (Miscellaneous) .....	189
Mineral Tax (Producing Area) .....	5,369
	<u>42,621</u>

There were 3,578 accounts cancelled or closed and 5,779 accounts opened.

### INDEX TO STATEMENTS

A—Statement of Receipts from all sources.

B—Statement of Receipts — Income Account.

C—Statement of Expenditure by Appropriation and Character.

D—Statement of Net Receipts of Divisions.

E—Statement of Receipts and Expenditure.

F—Statement of Fiscal Revenue for the last five years and Total Revenue for the period April 1st, 1949 to March 31st, 1969.



## Statement "A"

**STATEMENT OF RECEIPTS FROM ALL SOURCES**

From April 1st, 1968 to March 31st, 1969

	Gross Receipts	Refunds	Net Receipts
Income Account (See Statement "B") ....	\$287,739,863.36	\$ 330,464.37	\$287,409,398.99
Transferred Collections .....	71.90	—	71.90
Suspense (Unapplied receipts carried forward subject to refund) .....	8,170,764.27	8,116,258.47	54,505.80
	<u>\$295,910,699.53</u>	<u>\$ 8,446,722.84</u>	<u>\$287,463,976.69</u>

## Statement "B"

**STATEMENT OF RECEIPTS — INCOME ACCOUNT**

From April 1st, 1968 to March 31st, 1969

	Gross Receipts	Refunds	Net Receipts
<b>COAL MINING</b>			
Coal Fees, Rentals, etc .....	\$ 444,322.05	\$ .....	\$ 444,322.05
Coal Royalty .....	198,318.02	.....	198,318.02
Coal Mines Act Sundry Revenue .....	1,374.35	22.35	1,352.00
<b>PETROLEUM AND NATURAL GAS</b>			
Petroleum and Natural Gas Fees, Rentals, etc. ....	55,839,119.34	309,663.39	55,529,455.95
Petroleum and Natural Gas Royalty .....	105,127,061.89	4,169.40	105,122,892.49
Crown Reserve Sales .....	121,031,177.72	... ..	121,031,177.72
<b>MISCELLANEOUS</b>			
Quarrying Fees, Rental and Royalty .....	80,785.39	40.81	80,744.58
Bituminous Sands Fees, Rentals and Royalty .....	2,008,426.87	... ..	2,008,426.87
Oil Sands Fees and Rentals .....	308,233.93	4,788.20	303,445.73
Miscellaneous Mining .....	247,728.90	10,202.53	237,526.37
MINERAL TAX .....	2,352,412.91	1,037.66	2,351,375.25
PIPE LINES ACT SUNDRY REVENUE .....	12,588.50	60.00	12,528.50
ADMINISTRATION SUNDRY REVENUE .....	76,398.49	420.03	75,978.46
LANDMEN LICENCE FEES .....	11,915.00	60.00	11,855.00
TOTAL—INCOME ACCOUNT (Carried to Statement "A") .....	<u>\$287,739,863.36</u>	<u>\$330,464.37</u>	<u>\$287,409,398.99</u>



Statement "C"

EXPENDITURE CLASSIFIED BY APPROPRIATION AND  
CHARACTER FOR THE FISCAL YEAR ENDED

MARCH 31st, 1969

## INCOME ACCOUNT

SERVICE	2001 Minister's Office	2002 General Administration	2004 Pipe Line Division	2005 Geological Division	2006 Mines Division	2007 Minerals Division	2008 Mineral Tax Division	2009 Oil and Gas Property Tax	2010 Technical Division	2011 Abandonment of Mining Properties	2012 Redemption of Mineral Titles	2013 Clay and Marl Crown Lease Act	2014 Right of Entry Arbitration Board	2015 Supervisory and Safety Training Program	2016 Surface Reclamation	TOTAL
Advertising .....	.....	.....	.....	.....	.....	8,834.66	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,834.66
Automobiles, Trucks and Mobil Equipment Expenses .....	.....	275.71	.....	.....	.....	.....	.....	.....	553.67	.....	.....	.....	.....	.....	.....	829.38
Compensation .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	534.97	534.97
Contracts and Agreements .....	.....	.....	.....	5,778.67	.....	.....	.....	.....	.....	3,718.00	.....	.....	.....	.....	.....	9,496.67
Entertainment Expenses .....	.....	57.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	57.35
Fees and Commissions .....	.....	305.48	.....	.....	643.09	17.00	.....	.....	.....	.....	.....	.....	75.00	.....	187.96	1,228.53
Freight, Express and Cartage .....	.....	124.77	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	124.77
Furnishings, Equipment and Tools .....	.....	931.91	1,486.84	.....	29.99	296.00	1,011.98	.....	892.43	.....	.....	.....	9.72	.....	.....	4,658.87
Grants, Prizes .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,600.00	.....	3,600.00
Insurance Premiums .....	.....	12.58	75.82	.....	42.29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	130.69
Materials, Supplies, Administrative and Construction .....	493.37	19,694.48	1,674.54	.....	1,041.03	1,581.10	1,412.53	.....	21,184.52	.....	.....	.....	1,284.28	.....	768.97	49,134.82
Postage .....	148.00	1,682.00	675.00	.....	450.00	9,264.30	2,000.00	.....	584.00	.....	.....	.....	850.00	.....	924.00	16,577.30
Rentals .....	.....	28.35	33.60	.....	.....	.....	.....	.....	9,244.72	.....	.....	.....	.....	.....	70.00	9,376.67
Refunds and Remissions .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37,207.74	4,693.69	.....	.....	.....	41,901.43
Repair and Maintenance of Office Machines and Equipment .....	62.58	1,554.61	220.25	.....	211.85	1,472.15	674.07	.....	918.87	.....	.....	.....	158.12	.....	79.30	5,351.80
Salaries .....	14,148.00	201,121.56	151,462.57	.....	63,697.46	368,709.60	116,006.26	.....	323,317.10	.....	.....	.....	101,065.18	.....	135,439.47	1,474,967.20
Taxes .....	.....	.....	.....	.....	.....	.....	.....	201,528.53	.....	.....	.....	.....	.....	.....	.....	201,528.53
Telephone and Telegraphs .....	1,275.79	1,536.80	4,595.02	.....	341.31	7,234.77	47.64	.....	4,886.66	.....	.....	.....	936.57	.....	4,064.94	24,919.50
Travelling Expenses of Other than Public Servants .....	.....	.....	.....	.....	261.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	13,937.35	14,198.57
Travelling Expenses of Public Servants .....	1,535.40	1,891.96	35,012.45	.....	7,768.72	1,441.96	2,503.38	.....	1,219.91	.....	.....	.....	9,473.65	.....	43,413.65	104,261.08
Tuition .....	.....	.....	45.00	.....	.....	255.00	90.00	.....	305.00	.....	.....	.....	.....	.....	.....	695.00
TOTAL: Income Account .....	17,663.14	229,217.56	195,281.09	5,778.67	74,486.96	399,106.54	123,745.86	201,528.53	363,106.88	3,718.00	37,207.74	4,693.69	113,852.52	3,600.00	199,420.61	1,972,407.79





## Statement "D"

**STATEMENT OF NET RECEIPTS BY DIVISION**

For Fiscal Year Ending March 31st, 1969

## INCOME ACCOUNT:

Minerals Division .....	\$284,956,309.78
Mineral Tax Division .....	2,351,375.25
Mines Division .....	1,352.00
Pipe Line Division .....	12,528.50
Miscellaneous (Administration Sundry Revenue, etc.) .....	87,833.46
TRANSFERRED TO OTHER DEPARTMENTS .....	71.90
SUSPENSE (Unapplied receipts carried forward, subject to refund) .....	54,505.80
	<u>\$287,463,976.69</u>

## Statement "E"

**STATEMENT OF RECEIPTS AND EXPENDITURE**

For Fiscal Year Ending March 31st, 1969

Gross Receipts .....	\$295,910,699.53
Refunds .....	8,446,722.84
Net Receipts .....	287,463,976.69
Net Revenue on Income Account .....	287,409,398.99
Total Expenditure from Appropriations .....	1,972,407.79
Surplus on Income Account .....	285,436,991.20

**PERSONNEL**

The number of employees in the Department showed an increase of eight from 242 on April 1st, 1968 to 250 on March 31st, 1969.

During the year sixty-eight employees left the Department and of these nine left the city, fifteen resigned to accept employment outside Government Service, ten left to further their education, six transferred to other departments, three retired and twenty-five left for various other reasons.











